MATHEMATICS OF THE USSR—IZVESTIYA

Том 49, №№ 4–6, 1985

Volume 27, Numbers 1–3 Pages 1–612

Volume Index of Authors

Belov, A. S. Power series and Peano curves 1
Golubeva, V. A. On systems with regular singularities, and their solutions 27
Dem'yanenko, V. A. On the structure of elliptic fields. I 39
Ezhov, V. V. On the linearization of automorphisms of a real analytic hypersurface 53
Epifanov, O. V. A homogeneous equation of convolution type in a space of analytic functions 85
Kasyanchuk, A. V. Series in the system $\{f(nx)\}_{n=1}^{\infty}$ 101
Krasnov, V. A. Degenerations of real algebraic varieties 115
Merkur'ev, A. S. On the structure of the Brauer group of fields 141
Nikulin, V. V. Filtrations of 2-elementary forms and involutions of integral symmetric and skew-symmetric bilinear forms 159
Fidler, T. [T. Fiedler], Additional inequalities in the topology of real plane algebraic curves 183
Ivashkovich, S. M. Extension of locally biholomorphic mappings into a product of complex manifolds 193
Tikhomirov, A. S. Letter to the editors of the journal "Izvestiya AN SSSR Seriya matematicheskaya" 201
Bogoyavlenskiĭ, O. I. Integrable cases of the dynamics of a rigid body, and integrable systems on the spheres S^n 203
Galeev, È. M. Kolmogorov widths in the space $\tilde{L}_q$ of the classes $\tilde{W}_p^{\alpha}$ and $\tilde{H}_p^{\alpha}$ of periodic functions of several variables 219
Karatsuba, A. A. On the function $G(n)$ in Waring's problem 239
Mustafin, G. A. Families of algebraic varieties and invariant cycles 251
Panyushev, D. I. Regular elements in spaces of linear representations. II 279
Temlyakov, V. N. Approximation of periodic functions of several variables by trigonometric polynomials, and widths of some classes of functions 285
Chubarikov, V. N. Estimates of multiple trigonometric sums with prime numbers 323
Yablokova, S. I. Reduction to general position of a mapping of a one-dimensional polyhedron, depending continuously on a parameter 359
Dzhumadil'daev, A. S. Generalized Casimir elements 391
Artemov, S. N. On modal logics axiomatizing provability 401

Govorov, N. V. and Chernykh, N. M. Complete regularity of growth for some classes of entire functions of exponential type represented by Borel integrals and power series 431
Levendorskiĭ, S. Z. The method of approximate spectral projection 451
Zhurbenko, I. G. and Kozhevnikova, I. A. Estimators of joint spectra of multidimensional Gaussian sequences 503
Kudryavtsev, S. N. On approximations of compact sets of functions by algebraic surfaces 521
Kuchment, P. A. Spherical representation of solutions of invariant differential equations on a Riemannian symmetric space of noncompact type 535
Savel'ev, I. V. The structure of the set of singular points of piecewise-linear branched coverings of manifolds 549
Smirnov, V. A. Homotopy theory of coalgebras 575
Andozhskiĭ, I. V. and Tsvetkov, V. M. Analytic pro-p-groups of rank 3 and closed pro-p-groups of type (3, 4) 593
Nadirashvili, N. S. Some differentiability properties of solutions of elliptic equations with measurable coefficients 601
Panyushev, D. I. Correction to my paper "Semisimple automorphism groups of four-dimensional affine space" 607
Bogoyavlenskiĭ, O. I. On the question of the existence of a fourth integral of the Euler equations 609

ABCDEFGHIJ 8987